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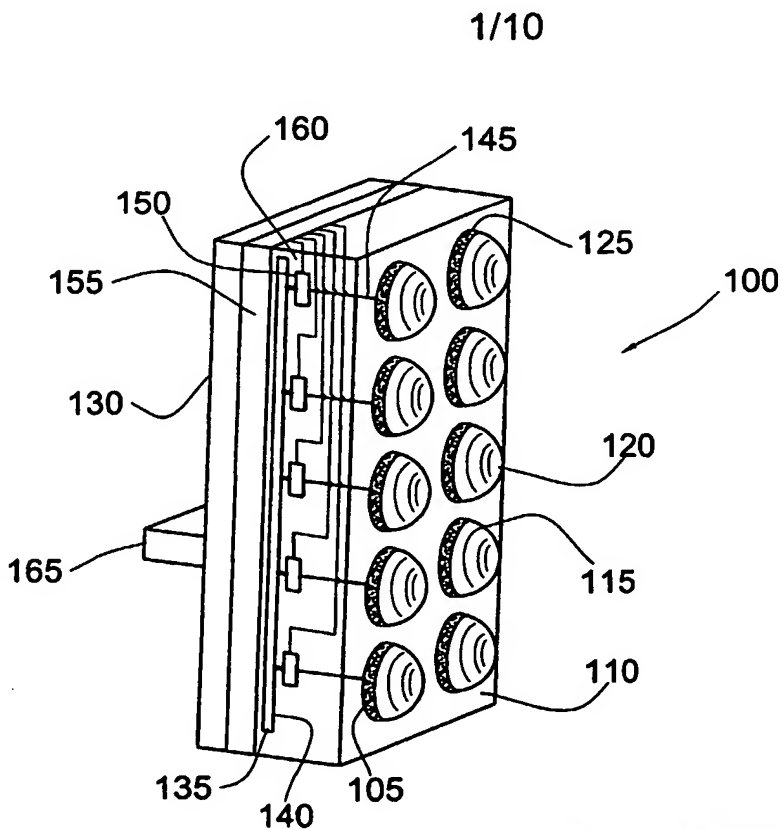
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[Continued on next page]

(54) Title: IMPLANTABLE MEDICAL DEVICE FOR CONTROLLED RELEASE OF A SUBSTANCE



(57) Abstract: A medical device for controlled release of one or more substances into a body cavity containing an electrolytic fluid, such as a urinary bladder. The device comprises a plurality of blister-like vesicles (105,205) mounted on a first surface, each vesicle having at least a metallic portion (125,225) formed from a first metal. The metallic portion of each vesicle is electrically connected to a first terminal (140,240) of a power supply (135,235) via a switch (150,250), so as to allow the metallic portion to function as an anode when the switch is closed. A cathode (130,230) is formed from a second metal and is attached to the second terminal of the power supply. The cathode is separated from the anodes by a space that is assessable by the electrolytic fluid when the device is in the body cavity.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

— *with international search report*

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IL 03/00914

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K9/00 A61N1/30 A61M31/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K A61N A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 01 35928 A (MICROCHIPS INC) 25 May 2001 (2001-05-25)  page 25, line 21 page 29, line 15 -page 30, line 22 page 10, line 26 -page 11, line 11 figures 1,2D	1,2,4-6, 12,14-16 3,7-11, 13,17-24
Y	US 2002/082551 A1 (YACHIA DANIEL ET AL) 27 June 2002 (2002-06-27) claims 1-23	3,7-11, 13,17-24
A	WO 02 30401 A (MICROCHIPS INC) 18 April 2002 (2002-04-18) figure 1	1-24
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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International Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 41736 A (MASSACHUSETTS INST TECHNOLOGY) 14 June 2001 (2001-06-14) page 8, line 7 - line 29 ---	1-24
A	US 2002/138067 A1 (SHEPPARD NORMAN F ET AL) 26 September 2002 (2002-09-26) the whole document ---	1-24
A	US 2002/119176 A1 (MECH BRIAN V ET AL) 29 August 2002 (2002-08-29) the whole document ---	1-24
A	US 6 123 861 A (SANTINI JR JOHN T ET AL) 26 September 2000 (2000-09-26) the whole document -----	1-24

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL 03/00914

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 25-28  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
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Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Information on patent family members

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